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Subject: Re: New Reactive Cap for Remediating PCBs

Hi Karen - thanks for checking in. This is an interesting concept that we'll have to monitor as it proceeds through peer review and moves beyond the laboratory/research stage. One thing I'd be concerned about is whether the PCB molecules ever get fully dechlorinated. If it doesn't, what could happen is you'd just end up with the lighter molecular wieght PCB congeners - which would have the risk of being more highly mobil in the environment (e.g., in groundwater and air) than the heavier PCBs. But its an interesting development to be sure!

Dave D.
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Subject	New Reactive Cap for Remediating PCBs

To:

Dave Dickerson

Elaine Stanley

Is this new method of remediation something that you can consider for New Bedford Harbor? I understand that by using palladium, iron and activated carbon can break down the PCB molecule to a less chlorinated form, hence, less toxic!

With the very high levels of PCBs at this Superfund Site, as you know, it will take 38 years or so with the small level of funding at 15 million a year! If this new method is used, it would contain the PCBs in the CAD cells and also degrade the PCBs over time which of course we would like to see "go away".

http://pubs.acs.org/doi/full/10.1021/es900340n

Tell me what you think of this for New Bedford!

Thank you!

Karen Vilandry